

# Trimite AP45

## Two Pack Epoxy Primer

<b>Description</b>	A two pack polyamide-cured epoxy primer for steel and other metals.
<b>Finish</b>	Matt.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Provides optimum corrosion resistance, adhesion and filling properties.</li> <li>• Designed for use with Trimite A46 Two Pack Epoxy Finish.</li> <li>• May also be used with a wide range of other air drying and stoving finishes.</li> </ul>
<b>Complies With</b>	Please consult Trimite.
<b>Product Code</b>	-/AP45.
<b>Volume Solids</b>	50% ± 2%.
<b>VOC's</b>	480 ± 20 g/l.
<b>Colour Range</b>	Mid Grey (41/AP45), Black (8/AP45), White (90/AP45).

<b>Film Thickness &amp; Coverage</b>	<b>Typical:</b>	<u>Dry</u> 40 µm	<u>Wet*</u> 80 µm	<u>Approx. Coverage*</u> 5 - 6 m <sup>2</sup> /l
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\* The above wet film thickness and approximate coverage rate (for conventional spray) will vary with colour and the degree of thinning. Wet film thicknesses are approximate and are based on the typical degree of thinning recommended under 'Application Details'.

Actual coverage varies considerably with factors including surface porosity, roughness, application methods and conditions.

<b>Drying &amp; Overcoating Times</b> at Typical DFT		<u>10°C</u>	<u>20°C</u>	<u>30°C</u>
	Surface Dry:	4 h	2 h	1 h
	Hard Dry:	16 h	8 h	4 h
	Overcoat Min:	16 h	8 h	4 h
	Overcoat Max:	12 days	7 days	3 days

**Force Drying:** can be force dried at temperatures up to 60°C after a flash-off period of 10 min. Force drying above 60°C will require longer flash-off times.

Drying and overcoating times can be greatly affected by method and conditions of application such as thickness applied, temperature, ventilation etc. Data above are given as a guide.

**TECHNICAL DATA SHEET****Trimite AP45****Two Pack Epoxy Primer**

<b>Surface Preparation</b>	<ul style="list-style-type: none"><li>All surfaces to be coated should be dry and cleaned as necessary to remove all rust, mill scale, grease and other contamination. Where necessary, remove weld spatter and grind smooth all sharp metal edges and weld seams.</li><li><b>Steel:</b> please consult Trimite for full details.</li><li><b>Non-ferrous metals:</b> a suitable etch primer is recommended, please consult Trimite for specific advice.</li></ul>
<b>Mixing</b>	Mix each component separately, and then thoroughly mix together in the mix ratio stated, using a power mixer. Stir occasionally during use to maintain an homogenous mix.
<b>Pot Life at 20°C</b>	24 hours (do not use after this time, even though material may still look fluid).
<b>Mix Ratio</b>	Base 2 volumes Activator <b>J4501</b> 1 volume.
<b>Application Conditions</b>	Throughout the application and the drying/curing time of coatings: (a) good ventilation is required; (b) do not apply when damp weather conditions are likely; (c) the substrate temperature should be at least 3°C above the Dew Point; and (d) the RH (Relative Humidity) should be below 85%. It is advisable not to apply the product when the ambient temperature falls below 10°C. The paint temperature at the time of application should ideally be 15° - 20°C.
<b>Application Details</b>	<ul style="list-style-type: none"><li>Designed for application by conventional spray, electrostatic spray or brush.</li><li>Conventional spray: up to 15% AT146 Thinner may be used in the mixed material, to gain a viscosity of 40 - 50 sec (BS B4 cup).</li><li>Electrostatic spray: suitable for most types of equipment, please consult Trimite for specific advice.</li><li>Brush: may be used as supplied. Small additions of AT146 Thinner may be made depending on conditions.</li></ul>
<b>Thinner/Cleaner</b>	Trimite AT146 Thinner (for thinning and cleaning).
<b>SG</b>	1.36 ± 0.15 kg/l.
<b>Flash Point</b>	23° – 60°C.
<b>Shelf Life</b>	Min. 1 year from date of delivery when correctly stored in unopened containers.
<b>Storage</b>	The product should be stored in cool, dry, frost-free conditions, in sealed containers. Most paint materials will apply optimally when at 15° - 20°C.
<b>Health &amp; Safety</b>	Refer to the product's Safety Data Sheet and safety advice on the product label before use.
<b>Date of Issue</b>	Jan 2024.

Information provided in this leaflet is given in good faith but without warranty or assumed liability, as the conditions of application and use are beyond our control. Data are accurate to the best of our knowledge at the time of issue but may be revised in the light of new knowledge and the user should check that data are current before use. The user must satisfy themselves about the product's suitability for their own purpose and refer to the Safety Data Sheet for this product before use. For industrial or professional use only unless specifically stated otherwise.